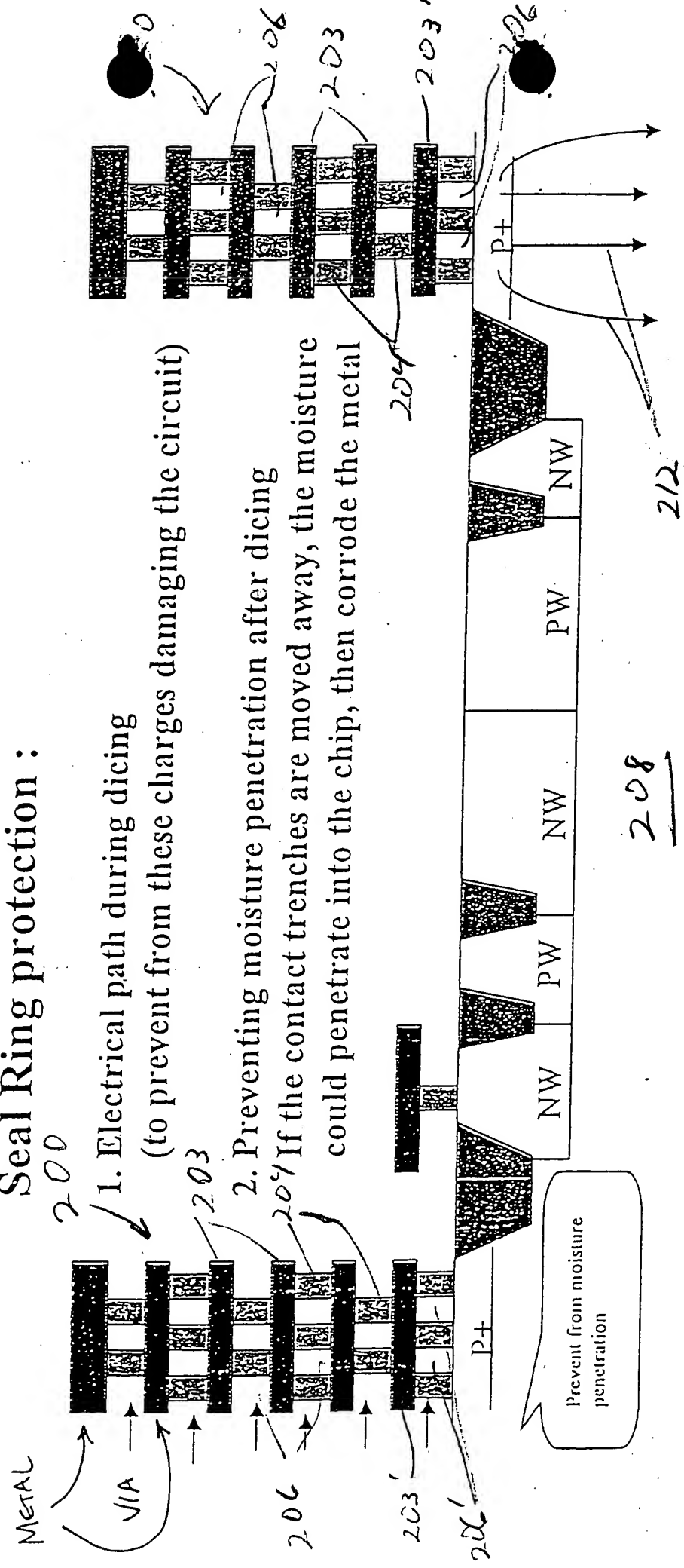


# Seal Ring protection :

- 1. Electrical path during dicing  
(to prevent from these charges damaging the circuit)
- 2. Preventing moisture penetration after dicing  
If the contact trenches are moved away, the moisture could penetrate into the chip, then corrode the metal

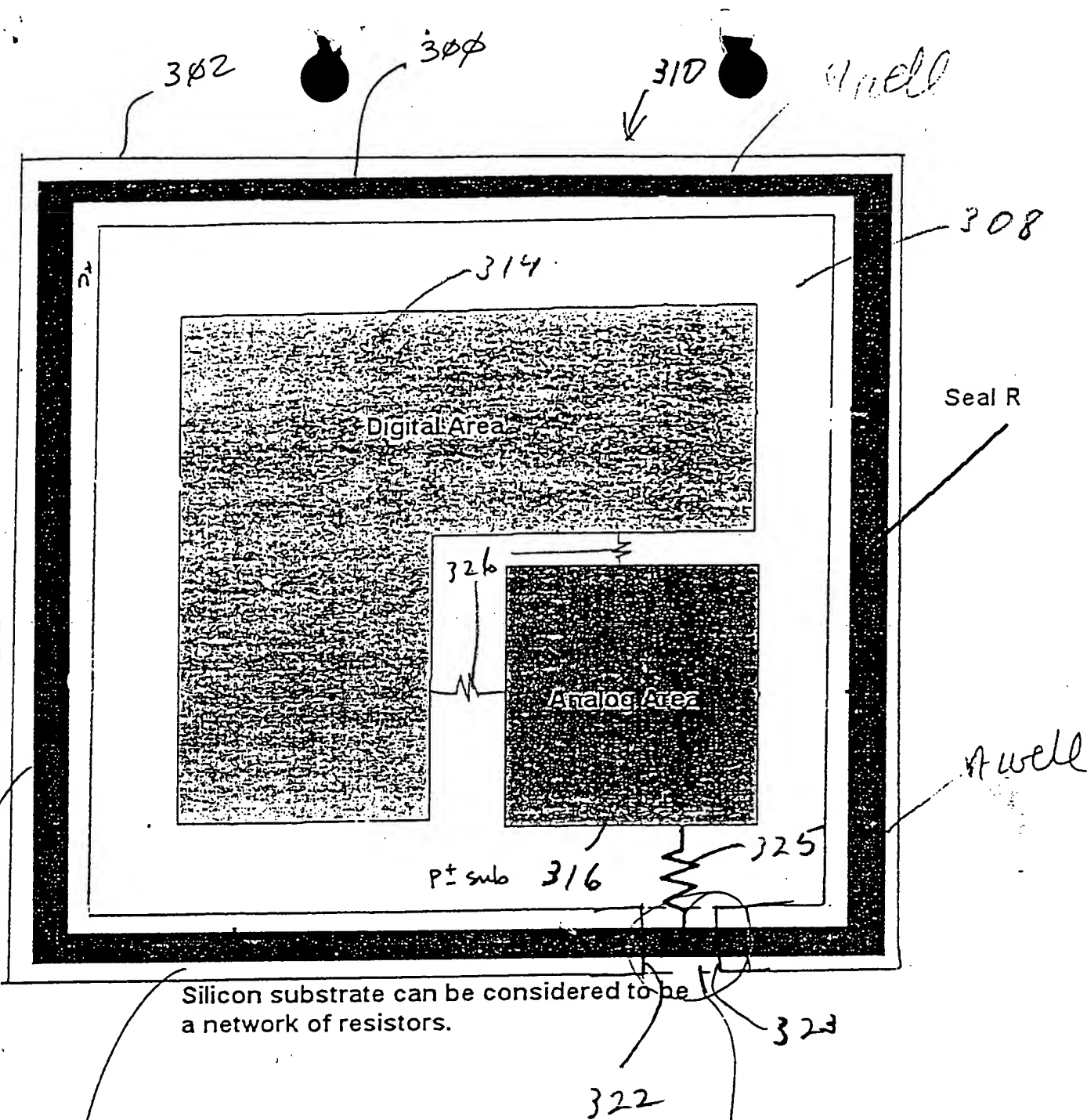


Dicing discharging patl

P-sub

- FIG. 2 -

09550275.082900



- FIG. 3 -

N-well  
locks  
substrate  
contact

304  
regular  
seal ring  
substrate  
contact